

BIODEGRADABLE RESIN FOR CONSTITUTING SHAPER MEMORY RESIN MOLDING AND MOLDING FORMED THEREFROM

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Abstract of JP9221539

PROBLEM TO BE SOLVED: To provide a biodegradable resin which is cheaper than conventional shape memory resins and lightened in the problem of disposal of wastes and to provide a shape memory resin molding formed therefrom. SOLUTION: This resin is of polylactic acid type and the molding is formed from this polylactic acid resin. The polylactic acid type resin is molded into a specified shape to be memorized at or above the melting point of the resin and the obtained molding is deformed at a temperature lower than the molding temperature. The deformed molding is cooled to a temperature lower than the glass transition temperature of the resin to obtain a deformed shape memory resin molding having the deformation fixed. The deformed molding can restore its initial specified memorized shape by heating it to a temperature higher than the deformation temperature and lower than the molding temperature.

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